

LISTING OF THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A method for producing a spindle nut for (2), ~~in particular of a ball screw, comprising providing which is provided on its circumference with at least one through-opening in the circumference of the nut (7) for receiving a deflecting piece; (8), wherein~~ arranging a hole punch (19) ~~which is arranged~~ within the spindle nut, ~~(2) punches punching~~ out the through-opening (7) of the nut from radially inward to radially outward through the casing of the spindle nut (2).

2. (Currently Amended) The method as claimed in claim 1, wherein ~~in which~~ a punching tool ~~comprising comprises~~ the hole punch (19) and also comprises a threaded spike (18), ~~the having a thread profile (20) of which is formed as a negative profile, in relation to an inner thread of the spindle nut (2) forming which forms~~ a thread groove (6) for balls (3), arranging the hole punch (19) ~~being arranged~~ radially displaceably in the threaded spike (18), and arranging the spindle nut (2) ~~being arranged~~ on the threaded spike (18), whereupon and then moving the hole punch (19) ~~is moved~~ radially ~~outward outwardly~~ out of the threaded spike (18).

3. (Currently Amended) The method as claimed in claim 1, comprising forming ~~in which~~ the cut portion (16) of the punching operation ~~is formed~~ radially on the inside of ~~the a~~ wall (13) ~~of defining~~ the through-opening (7).

4. (Currently Amended) The method as claimed in claim 1, comprising forming ~~in which~~ a torn-out portion (17) of the punching operation ~~is formed~~ radially on the outside of ~~the a~~ wall (13) of the through-opening (7).

5. (Currently Amended) The method as claimed in claim 1, comprising forming in which the punching draw-in (15) ~~is formed~~ on the radially inner rim of the through-opening (7).

6. (Currently Amended) A ball screw comprising:

a spindle;

with a spindle nut (2) arranged on a the spindle (1), a through opening in the spindle nut; the nut having an inner circumference; and ~~also with balls (3), which are arranged in such a way that they can roll in a thread path (4); the~~

a thread path (4) being formed by a first thread groove (5) formed on the spindle (1) and by a second thread groove (6) formed on in the spindle nut; (2)[[,]

balls arranged to roll in the thread path;

~~and with~~ at least one deflecting piece (8), ~~which is arranged in a the~~ through-opening (7) of the spindle nut; the deflecting piece (2) and has a deflecting channel (9) for the return of the balls (3) respectively from a run-out end (10) to a run-in end (11) of at least one common turn (12) of the thread path (4), wherein ~~the~~

a rim (14) of the through-opening (7) which is lying on the inner circumference of the spindle nut (2) has a convex rounding (15).

7. (Currently Amended) The ball screw as claimed in claim 6, ~~in which~~ wherein the convex rounding (15) ~~of the~~ is an edge is formed at the transition from the through-opening (7) to the thread groove (6) of the spindle nut (2).

8. (Currently Amended) The ball screw as claimed in claim 7, in which material of the spindle nut (2) ~~is~~ has been drawn or forced from radially inward to radially outward, ~~thereby forming~~ the rounding (15).

9. (New) The method as claimed in claim 1, further comprising installing or deflecting piece in the through opening.